

Amendments to the Claims:

Claims 1-4 (Canceled).

Claim 5 (Currently Amended): A vector comprising a gene encoding a fusion protein comprising (a) a first polypeptide and (b) a second polypeptide, wherein said first polypeptide comprises a ligand binding domain of a steroid hormone receptor that, upon ligand binding, dimerizes, and wherein said second polypeptide comprises a cytokine receptor or a proliferation-inducing part thereof that, upon said dimerization of said first polypeptide, imparts proliferation activity to a cell ~~ligand-binding domain~~, (b) a domain that associates when a ligand binds to the domain of (a), and (c) a domain that imparts proliferation activity to a cell upon the association.

Claim 6 (Currently Amended): An isolated cell carrying the vector of Claim 5.

Claim 7 (Canceled).

Claim 8 (Currently Amended): A vector comprising a desired exogenous gene and a gene encoding a fusion protein comprising (a) a first polypeptide and (b) a second polypeptide, wherein said first polypeptide comprises a ligand binding domain of a

steroid hormone receptor that, upon ligand binding, dimerizes, and wherein said second polypeptide comprises a cytokine receptor or a proliferation-inducing part thereof that, upon said dimerization of said first polypeptide, imparts proliferation activity to a cell
~~ligand binding domain, (b) a domain that associates when a ligand binds to the domain of (a), and (c) a domain that imparts proliferation activity to a cell upon the association.~~

Claim 9 (Canceled).

Claim 10 (Currently Amended): The vector of ~~Claim 9~~ Claim 8, wherein the cytokine receptor is a G-CSF receptor.

Claim 11 (Canceled).

Claim 12 (Currently Amended): The vector of ~~Claim 11~~ Claim 8, wherein the steroid hormone receptor is an estrogen receptor.

Claim 13 (Canceled).

Claim 14 (Currently Amended): ~~The~~ A vector system of Claim 8 comprising a first vector comprising a desired exogenous gene and a second vector comprising a gene

encoding a fusion protein comprising (a) a first polypeptide and (b) a second polypeptide,
wherein said first polypeptide comprises a ligand binding domain of a steroid hormone
receptor that, upon ligand binding, dimerizes, and wherein said second polypeptide
comprises a cytokine receptor or a proliferation-inducing part thereof that, upon said
dimerization of said first polypeptide, imparts proliferation activity to a cell, wherein the
“gene encoding a fusion protein” and the “exogenous gene” are located on separate
molecules.

Claim 15 (Currently Amended): An isolated cell carrying the vector according to
any one of claims 8 to ~~14~~ 12.

Claim 16 (Canceled).

Claim 17 (Currently Amended): A kit comprising (a) the vector of Claim 5 or
Claim 8, and (b) a steroid hormone ligand capable of acting on the “ligand-binding
domain” of the fusion protein encoded by the gene contained in the vector.

Claim 18 (New): The vector system of claim 14, wherein said system is a binary
vector system.

Claim 19 (New): An isolated cell carrying the vector system according to claim 14 or 18.

Amendments to the Drawings:

Kindly replace Figures 1 and 4-9 filed with the application with the corrected drawings for Figures 1 and 4-9 filed herewith.